

ROAD SYSTEM

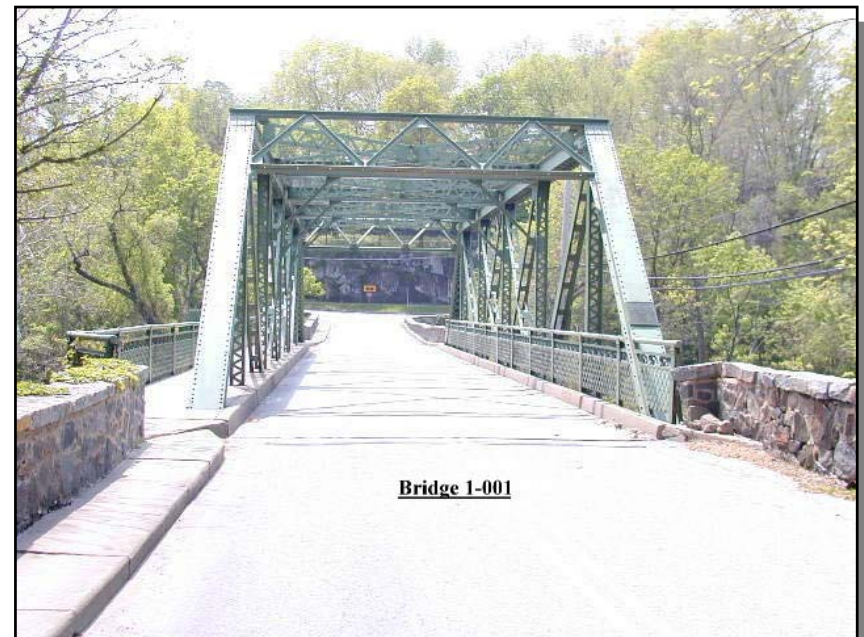
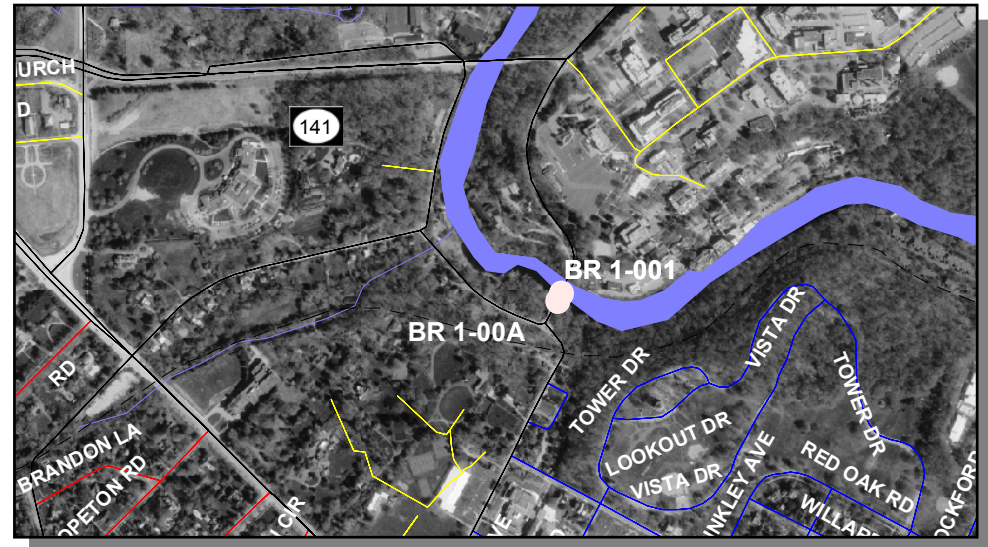
BRIDGES

BR 1-001 AND BR 1-001A ON RISING SUN ROAD OVER BRANDYWINE CREEK

PROJECT SCOPE/DESCRIPTION: This project will rehabilitate existing steel truss members and substructure; place a high performance deck overlay; make safety improvements at approaches; and fill scour holes and rehabilitate existing stone masonry abutment.

PROJECT JUSTIFICATION: Both bridges are structurally deficient and currently rank 9th and 63rd, respectively, on the department's bridge deficiency list (via the bridge management program).

County:	New Castle
Municipality:	
Funding Program:	Road System – Bridges
Functional Category:	Preservation
Representative District:	4
Senatorial District:	4



BR 1-001 AND BR 1-001A ON RISING SUN ROAD OVER BRANDYWINE CREEK (CONTINUED)**PROJECT FUNDING INFORMATION**

Project	Funding Type	Original Estimate	Current Estimate	Authorization	Committed as of 10/22/02	Expended as of 10/22/02	Committed Unexpended as of 10/22/02	Authorization Available
BR 1-001 and BR 1-001A on Rising Sun Road Over Brandywine Creek		\$ 1,238.4						
Prior Years	State			\$ 238.4	\$ 238.4	\$ 181.2	\$ 57.2	\$ 0.0
	Federal			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2003	State		\$ 1,238.4	\$ 60.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 60.0
	Federal			\$ 240.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 240.0
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2004 Request	State			\$ 0.0				\$ 60.0
	Federal			\$ 0.0				\$ 240.0
	Other			\$ 0.0				\$ 0.0
FY 2005 Projected	State			\$ 140.0				\$ 200.0
	Federal			\$ 560.0				\$ 800.0
	Other			\$ 0.0				\$ 0.0
FY 2006 Projected	State			\$ 0.0				\$ 200.0
	Federal			\$ 0.0				\$ 800.0
	Other			\$ 0.0				\$ 0.0
FY 2007-2009 Projected	State			\$ 0.0				\$ 200.0
	Federal			\$ 0.0				\$ 800.0
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 438.4	\$ 238.4			\$ 200.0
	Federal			\$ 800.0	\$ 0.0			\$ 800.0
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 1,238.4	\$ 1,238.4	\$ 1,238.4	\$ 238.4	\$ 181.2	\$ 57.2	\$ 1,000.0

BR 1-001 AND BR 1-001A ON RISING SUN ROAD OVER BRANDYWINE CREEK (CONTINUED)**PROJECT TIMELINE INFORMATION**

Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007 -2009
21-074-01	BR 1-001 and BR 1-001A on Rising Sun Road Over Brandywine Creek	PE	100% ST	\$ 213.4	\$ 213.4	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
		RW	100% ST	25.0	25.0	0.0	0.0	0.0	0.0	0.0
		C	80% FHWA	1,000.0	0.0	300.0	0.0	700.0	0.0	0.0
	Total All Funds			\$ 1,238.4	\$ 238.4	\$ 300.0	\$ 0.0	\$ 700.0	\$ 0.0	\$ 0.0

BR 1-001B ON KENNETT PIKE OVER RAILROAD EAST OF SR141

PROJECT SCOPE/DESCRIPTION: The proposed improvements to Bridge 1-001B, on Kennett Pike (SR 52), will replace the existing superstructure with prestressed concrete beams and a concrete deck. Minor safety improvements to the approach roadway are also included in the plans.

PROJECT JUSTIFICATION: The superstructure of this bridge is in poor condition and the encased concrete steel beams are exposed. This bridge is currently ranked 31st on the department's bridge deficiency list (via the bridge management program).

County: New Castle
Municipality:
Funding Program: Road System – Bridges
Functional Category: Preservation
Representative District: 4
Senatorial District: 4



Bridge 1-001B



BR 1-001B ON KENNETT PIKE OVER RAILROAD EAST OF SR141 (CONTINUED)**PROJECT FUNDING INFORMATION**

Project	Funding Type	Original Estimate	Current Estimate	Authorization	Committed as of 10/22/02	Expended as of 10/22/02	Committed Unexpended as of 10/22/02	Authorization Available
BR 1-001B on Kennett Pike Over Railroad East of SR141		\$ 847.0						
Prior Years	State			\$ 57.0	\$ 57.0	\$ 43.8	\$ 13.2	\$ 0.0
	Federal			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2003	State		\$ 847.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
	Federal			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2004 Request	State			\$ 0.0				\$ 0.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2005 Projected	State			\$ 158.0				\$ 158.0
	Federal			\$ 632.0				\$ 632.0
	Other			\$ 0.0				\$ 0.0
FY 2006 Projected	State			\$ 0.0				\$ 158.0
	Federal			\$ 0.0				\$ 632.0
	Other			\$ 0.0				\$ 0.0
FY 2007-2009 Projected	State			\$ 0.0				\$ 158.0
	Federal			\$ 0.0				\$ 632.0
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 215.0	\$ 57.0			\$ 158.0
	Federal			\$ 632.0	\$ 0.0			\$ 632.0
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 847.0	\$ 847.0	\$ 847.0	\$ 57.0	\$ 43.8	\$ 13.2	\$ 790.0

BR 1-001B ON KENNETT PIKE OVER RAILROAD EAST OF SR141 (CONTINUED)**PROJECT TIMELINE INFORMATION**

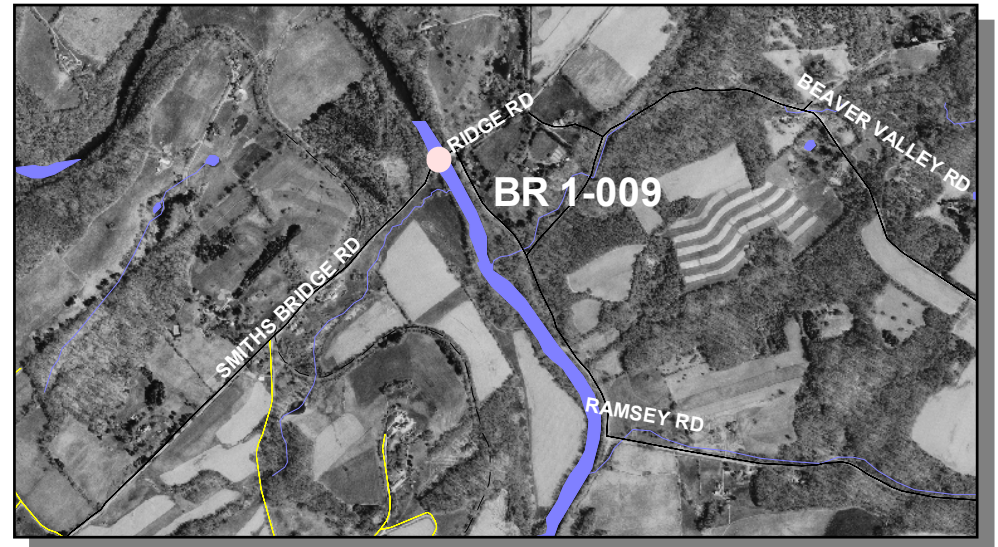
Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007 -2009
99-071-08	BR 1-001B on Kennett Pike Over Railroad East of SR141	PE	100% ST	\$ 57.0	\$ 57.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
		C	80% FHWA	790.0	0.0	0.0	0.0	790.0	0.0	0.0
	Total All Funds			\$ 847.0	\$ 57.0	\$ 0.0	\$ 0.0	\$ 790.0	\$ 0.0	\$ 0.0

BR 1-009 ON SMITH'S BRIDGE ROAD OVER BRANDYWINE CREEK

PROJECT SCOPE/DESCRIPTION: This project, Bridge 1-009 on Smith's Bridge Road (N221), will replace the superstructure with a one-lane covered timber bridge. The substructure will be rehabilitated and minor realignment of the approach roadway will occur.

PROJECT JUSTIFICATION: This bridge is structurally deficient with poor substructure and currently ranks 83rd on the department's bridge deficiency list (via the bridge management program).

County:	New Castle
Municipality:	
Funding Program:	Road System – Bridges
Functional Category:	Preservation
Representative District:	10
Senatorial District:	4



BR 1-009 ON SMITH'S BRIDGE ROAD OVER BRANDYWINE CREEK (CONTINUED)

Current



Proposed Improvements – Using Project Visualization Software



BR 1-009 ON SMITH'S BRIDGE ROAD OVER BRANDYWINE CREEK (CONTINUED)**PROJECT FUNDING INFORMATION**

Project	Funding Type	Original Estimate	Current Estimate	Authorization	Committed as of 10/22/02	Expended as of 10/22/02	Committed Unexpended as of 10/22/02	Authorization Available
BR 1-009 on Smith's Bridge Road Over Brandywine Creek		\$ 2,088.3						
Prior Years	State			\$ 544.3	\$ 544.3	\$ 265.2	\$ 279.1	\$ 0.0
	Federal			\$ 1,670.6	\$ 31.1	\$ 23.7	\$ 7.4	\$ 1,639.5
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2003	State		\$ 2,214.9	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
	Federal			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 1,639.5
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2004 Request	State			\$ 0.0				\$ 0.0
	Federal			\$ 0.0				\$ 1,639.5
	Other			\$ 0.0				\$ 0.0
FY 2005 Projected	State			\$ 0.0				\$ 0.0
	Federal			\$ 0.0				\$ 1,639.5
	Other			\$ 0.0				\$ 0.0
FY 2006 Projected	State			\$ 0.0				\$ 0.0
	Federal			\$ 0.0				\$ 1,639.5
	Other			\$ 0.0				\$ 0.0
FY 2007-2009 Projected	State			\$ 0.0				\$ 0.0
	Federal			\$ 0.0				\$ 1,639.5
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 544.3	\$ 544.3			\$ 0.0
	Federal			\$ 1,670.6	\$ 31.1			\$ 1,639.5
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 2,088.3	\$ 2,214.9	\$ 2,214.9	\$ 575.4	\$ 288.9	\$ 286.6	\$ 1,639.5

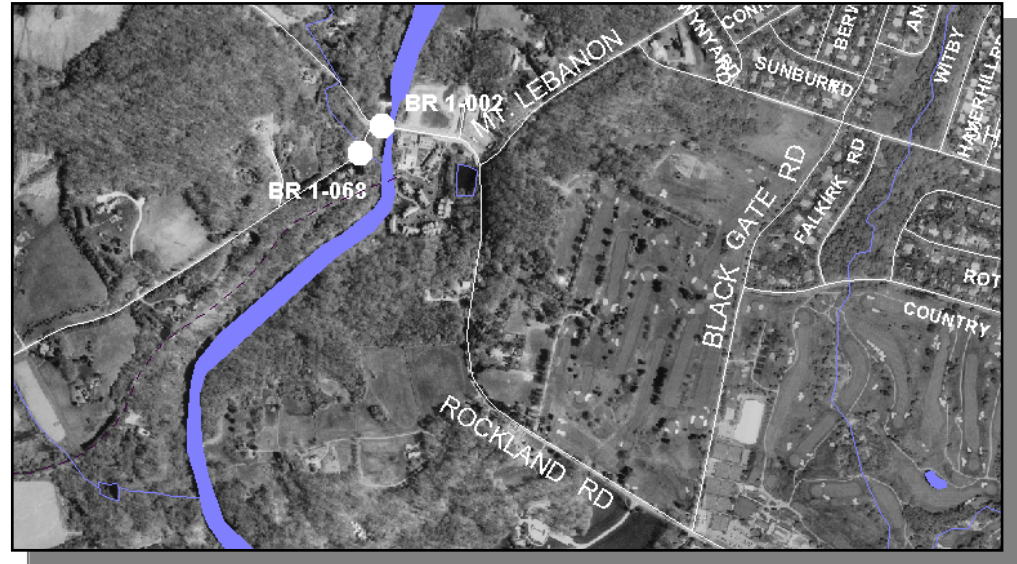
BR 1-009 ON SMITH'S BRIDGE ROAD OVER BRANDYWINE CREEK (CONTINUED)**PROJECT TIMELINE INFORMATION**

Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007 -2009
99-071-02	BR 1-009 on Smith's Bridge Road Over Brandywine Creek	PE,C	80% FHWA	\$ 2,214.9	\$ 2,214.9	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
	Total All Funds			\$ 2,214.9	\$ 2,214.9	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0

BR 1-068 AND BR 1-002 ON ROCKLAND ROAD OVER BRANDYWINE CREEK

PROJECT SCOPE/DESCRIPTION: These bridges are located in the Rockland Historic District. Bridge 1-068 will require structural repairs. Bridge 1-002 will receive cosmetic improvements and repairs, which will prolong the life of this historic structure. In both cases, repairs will take into account the historical surrounding. Bridge 1-068 improvements will include replacement of the superstructure with prestressed concrete beams and stone-faced bridge rails, construction of two wingwalls, and repair of the supporting substructure. Bridge 1-002 improvements will include repair of the concrete beam encasements, replacement of deck joint seals, and waterproofing the deck.

PROJECT JUSTIFICATION: Bridges 1-068 and 1-002 are in need of repair to maintain their historic integrity and structural capacity. Bridge 1-068 is currently ranked 129th and Bridge 1-002 is currently ranked 128th out of 1,399 on the department's bridge deficiency list (via the bridge management program).



County:	New Castle
Municipality:	
Funding Program:	Road System – Bridges
Functional Category:	Preservation
Representative District:	4, 10
Senatorial District:	4



BR 1-068 AND BR 1-002 ON ROCKLAND ROAD OVER BRANDYWINE CREEK (CONTINUED)

Bridge 1-068



Bridge 1-002



BR 1-068 AND BR 1-002 ON ROCKLAND ROAD OVER BRANDYWINE CREEK (CONTINUED)**PROJECT FUNDING INFORMATION**

Project	Funding Type	Original Estimate	Current Estimate	Authorization	Committed as of 10/22/02	Expended as of 10/22/02	Committed Unexpended as of 10/22/02	Authorization Available
BR 1-068 and BR 1-002 on Rockland Road Over Brandywine Creek		\$ 1,183.7						
Prior Years	State			\$ 150.0	\$ 150.0	\$ 50.4	\$ 99.6	\$ 0.0
	Federal			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2003	State		\$ 1,183.8	\$ 26.4	\$ 0.0	\$ 0.0	\$ 0.0	\$ 26.4
	Federal			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2004 Request	State			\$ 201.5				\$ 227.9
	Federal			\$ 805.9				\$ 805.9
	Other			\$ 0.0				\$ 0.0
FY 2005 Projected	State			\$ 0.0				\$ 227.9
	Federal			\$ 0.0				\$ 805.9
	Other			\$ 0.0				\$ 0.0
FY 2006 Projected	State			\$ 0.0				\$ 227.9
	Federal			\$ 0.0				\$ 805.9
	Other			\$ 0.0				\$ 0.0
FY 2007-2009 Projected	State			\$ 0.0				\$ 227.9
	Federal			\$ 0.0				\$ 805.9
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 377.9	\$ 150.0			\$ 227.9
	Federal			\$ 805.9	\$ 0.0			\$ 805.9
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 1,183.7	\$ 1,183.8	\$ 1,183.8	\$ 150.0	\$ 50.4	\$ 99.6	\$ 1,033.8

BR 1-068 AND BR 1-002 ON ROCKLAND ROAD OVER BRANDYWINE CREEK (CONTINUED)**PROJECT TIMELINE INFORMATION**

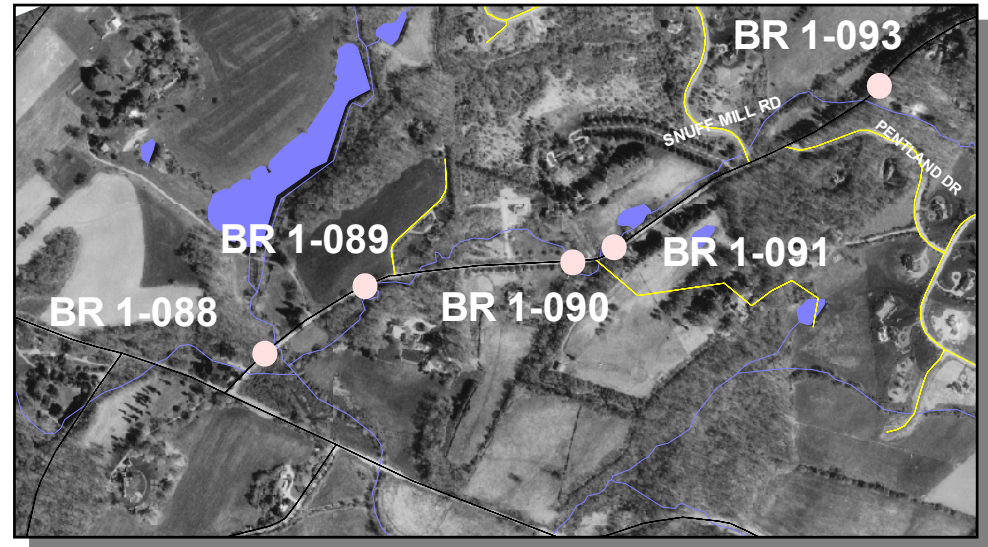
Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007 -2009
22-071-01	BR 1-068 and BR 1-002 on Rockland Road Over Brandywine Creek	PE	100% ST	\$ 150.0	\$ 150.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
		RW	100% ST	26.4	0.0	26.4	0.0	0.0	0.0	0.0
		C	80% FHWA	1,007.4	0.0	0.0	1,007.4	0.0	0.0	0.0
	Total All Funds			\$ 1,183.8	\$ 150.0	\$ 26.4	\$ 1,007.4	\$ 0.0	\$ 0.0	\$ 0.0

BR 1-088, BR 1-089, BR 1-090, BR 1-091, AND BR 1-093 ON SNUFF MILL ROAD

PROJECT SCOPE/DESCRIPTION: The Bridge 1-088 project, near Old Kennett Road, consists of improvements that will include replacing the existing concrete deck; stabilizing the existing substructure; repointing the stone masonry; repainting the steel beams; and installing scour countermeasures. The existing culvert will be replaced with a new reinforced concrete box culvert.

The remaining bridges will be replaced with concrete boxes and a concrete rigid frame (Bridge 1-089) with stone parapets and wing walls. Roadway slope failures will also be fixed. Snuff Mill Road from Old Kennett Road to Kennett Pike will be paved.

PROJECT JUSTIFICATION: Bridge 1-088 ranks 151st on the bridge deficiency list. Bridge 1-089 ranks 29th on the bridge deficiency list. Bridge 1-090, Bridge 1-091 and Bridge 1-093 are functionally obsolete and rank 186th, 111th, and 290th, respectively, on the department's bridge deficiency list (via the bridge management program).



County:

New Castle

Municipality:

Funding Program:

Road System – Bridges

Functional Category:

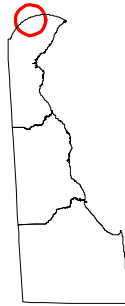
Preservation

Representative District:

12

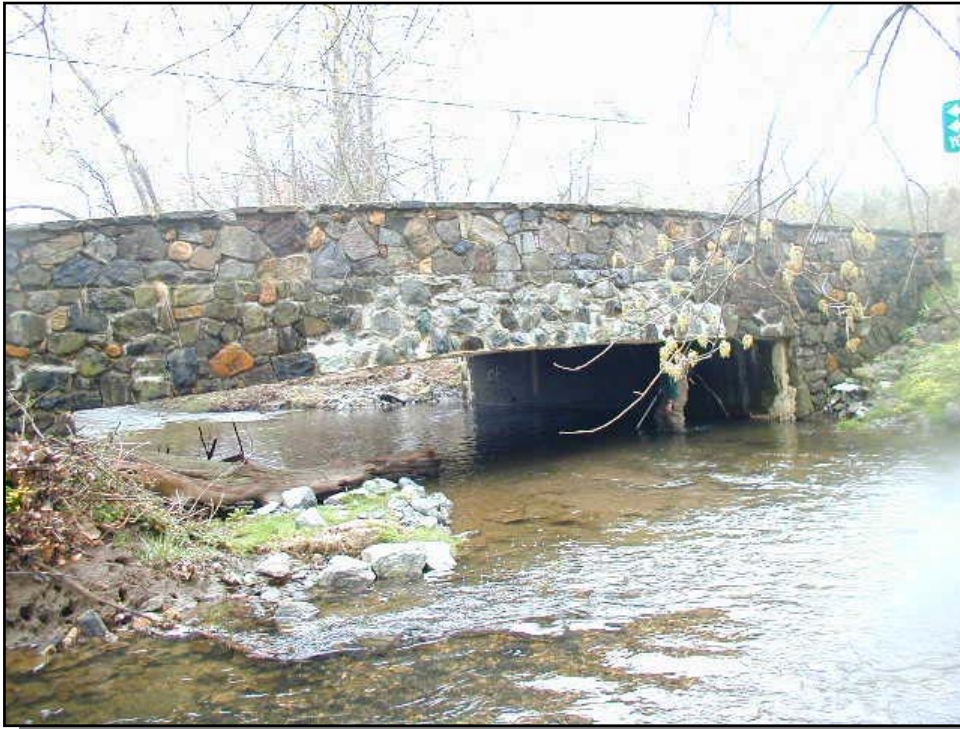
Senatorial District:

4



BR 1-088, BR 1-089, BR 1-090, BR 1-091, AND BR 1-093 ON SNUFF MILL ROAD (CONTINUED)

Bridge 1-088



Bridge 1-089



BR 1-088, BR 1-089, BR 1-090, BR 1-091, AND BR 1-093 ON SNUFF MILL ROAD (CONTINUED)

Bridge 1-090



Bridge 1-091



BR 1-088, BR 1-089, BR 1-090, BR 1-091, AND BR 1-093 ON SNUFF MILL ROAD (CONTINUED)**PROJECT FUNDING INFORMATION**

Project	Funding Type	Original Estimate	Current Estimate	Authorization	Committed as of 10/22/02	Expended as of 10/22/02	Committed Unexpended as of 10/22/02	Authorization Available
BR 1-088, BR 1-089, BR 1-090, BR 1-091, and BR 1-093 on Snuff Mill Road		\$ 2,484.0						
Prior Years	State			\$ 1,168.0	\$ 259.4	\$ 239.9	\$ 19.5	\$ 908.7
	Federal			\$ 1,316.0	\$ 72.3	\$ 68.3	\$ 4.0	\$ 1,243.7
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2003	State		\$ 2,484.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 908.7
	Federal			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 1,243.7
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2004 Request	State			\$ 0.0				\$ 908.7
	Federal			\$ 0.0				\$ 1,243.7
	Other			\$ 0.0				\$ 0.0
FY 2005 Projected	State			\$ 0.0				\$ 908.7
	Federal			\$ 0.0				\$ 1,243.7
	Other			\$ 0.0				\$ 0.0
FY 2006 Projected	State			\$ 0.0				\$ 908.7
	Federal			\$ 0.0				\$ 1,243.7
	Other			\$ 0.0				\$ 0.0
FY 2007-2009 Projected	State			\$ 0.0				\$ 908.7
	Federal			\$ 0.0				\$ 1,243.7
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 1,168.0	\$ 259.4			\$ 908.7
	Federal			\$ 1,316.0	\$ 72.3			\$ 1,243.7
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 2,484.0	\$ 2,484.0	\$ 2,484.0	\$ 331.7	\$ 308.2	\$ 23.5	\$ 2,152.3

BR 1-088, BR 1-089, BR 1-090, BR 1-091, AND BR 1-093 ON SNUFF MILL ROAD (CONTINUED)**PROJECT TIMELINE INFORMATION**

Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007 -2009
	BR 1-088, BR 1-089, BR 1-090, BR 1-091, and BR 1-093 on Snuff Mill Road									
20-074-03	BR 1-088, Snuff Mill Road	RW	100% ST	\$ 9.0	\$ 9.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
		C	80% FHWA	600.0	600.0	0.0	0.0	0.0	0.0	0.0
99-071-07	BR 1-089 on Snuff Mill Road	LANSC	100% ST	20.0	20.0	0.0	0.0	0.0	0.0	0.0
		C	80% FHWA	300.0	300.0	0.0	0.0	0.0	0.0	0.0
21-071-03	BR 1-090 on Snuff Mill Road	C	80% FHWA	255.0	255.0	0.0	0.0	0.0	0.0	0.0
21-071-03	BR 1-091 on Snuff Mill Road	PE/RW	100% ST	10.0	10.0	0.0	0.0	0.0	0.0	0.0
		C	80% FHWA	490.0	490.0	0.0	0.0	0.0	0.0	0.0
21-071-03	BR 1-093 on Snuff Mill Road	C	100% ST	800.0	800.0	0.0	0.0	0.0	0.0	0.0
	Total All Funds			\$ 2,484.0	\$ 2,484.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0